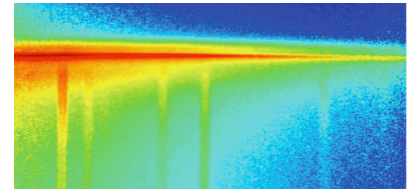
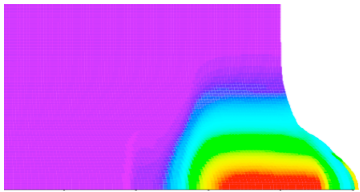


Welcome

2010 Ion Beam Driven High Energy Density Physics Workshop



June 22-24, 2010
Four Points Sheraton Hotel
Pleasanton, CA

This workshop draws together a diverse group of people

Internationally: USA, Germany, Japan, Canada, Russia, France, Austria

Laboratories: LBNL, LLNL, PPPL, SNL, SLAC, LBNL/ALS, GSI, NIFS

**Universities: U.C. Berkeley, Princeton, U. C. Davis, U. of Electro Comm.,
U. Michigan, U. Maryland, T.U. Darmstadt, Univ. British Columbia**

Companies: GA

Government: OFES/DOE

Many disciplines:

Accelerator physics

Laser physics

Equation of state

Ion stopping

Radiative hydrodynamics

Target physics

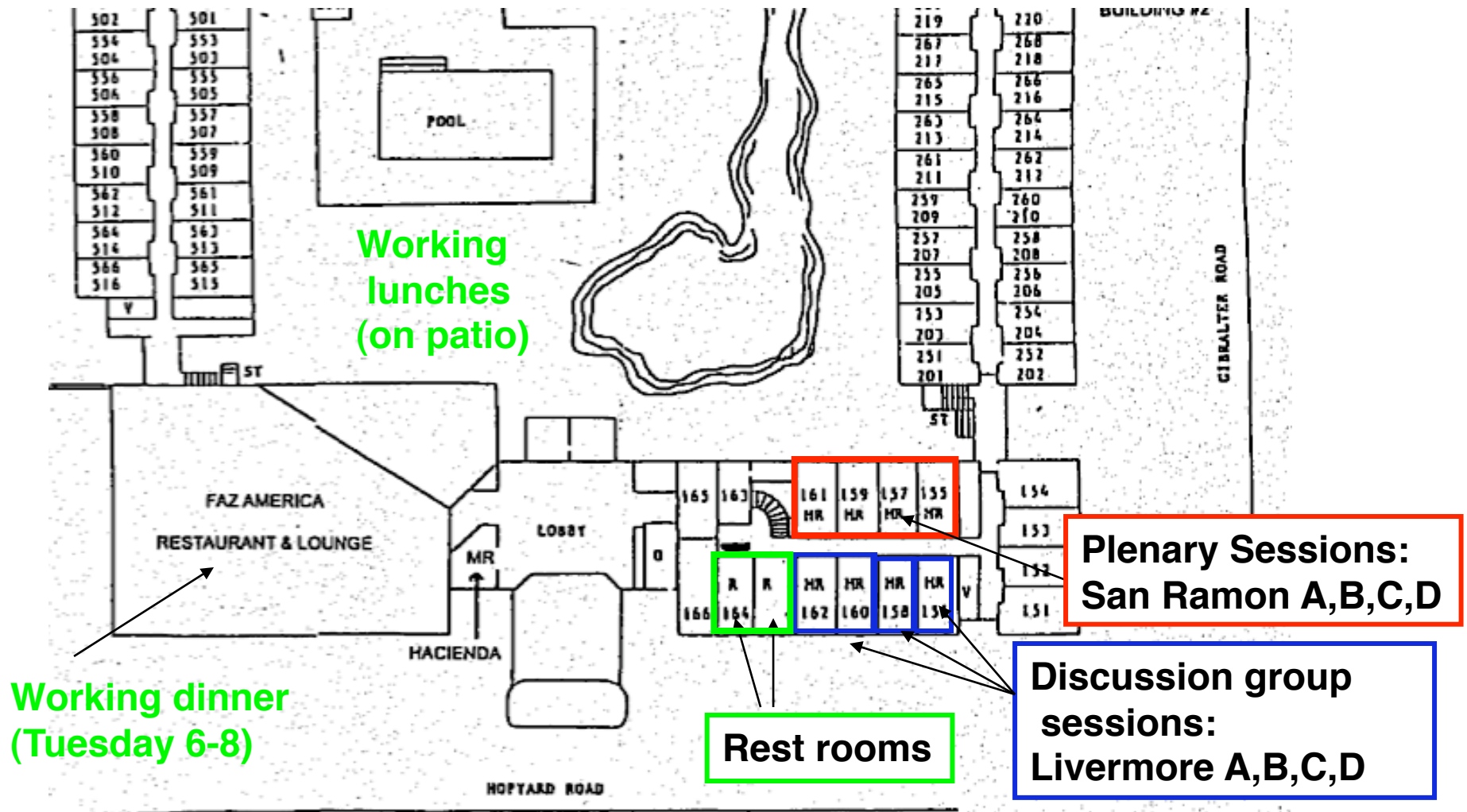
Computational physics

High temperature chemistry

.....

**The registration list
included with
handouts includes
email addresses of
the participants**

Logistics



**Tonight's working dinner will be at Faz Restaurant
(in the Hotel) 6 - 8 pm**



**For other dinners: see restaurant list in handouts
A number of restaurants are within walking distance of hotel**

Discussion subject: Brainstorming on collaborations on WDM and IFE

Tuesday

Wednesday

Thursday

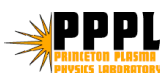
8:00	Registration	Registration	Registration
9:00	9:00 Welcome/Logistics: J. Barnard 9:20 Intro and status of VNL Heavy Ion program: G. Logan 9:45 Target experiments on NDCX-I & -II: F. Bieniosek	9:00 Beam dynamics expts on NDCX-II: A. Friedman 9:30 Laser/ion/matter expts: A. Forsman	9:00 - 9:45 Report on beam dynamics discussion group
10:00	10:15 Discussions/Refresh 10:30 WDM Physics at GSI: D. Hoffmann	10:00 Simulations of ion stopping in WDM: M. Surh 10:30 Discussions/Refresh	9:45 - 10:30 Report on WDM experiments discussion group
11:00	11:00 WDM on LCLS: R. Lee 11:30 QMD/EOS: M. Desjarlais	10:45 Jupiter expmts on ion stopping in WDM: R. Shepherd/H. Chen 11:15 Discussion groups: I. WDM; II. Shocks and IFE; III. Collaborative expts; IV. Beam dynamics.	10:30 Discussions/Refresh 10:45 - 11:30 Report on IFE and shocks working group
12:00	12:00 - 1:15 Working Lunch on Garden Patio	12:00 Working Lunch on Garden Patio	11:30 - 12:15 Report on Collaborative experiments discussion group
1:00	1:15 Optical/polarization diagnostics R. More 1:45 Diagnostics on NDCX-I and -II: P. Ni	1:15 - 2:45 Discussion groups: I. WDM expts; II. Shocks and IFE expts; III. Collaborative expts; IV. Beam dynamics expts.	12:15 - 1:30 Working Lunch on Garden Patio
2:00	2:15 Optical diagnostics of e- heated targets: M. Goto 2:45 Disussions/Refresh	2:45 Disussions/Refresh	1:45 - 2:45 Van to LBNL
3:00	3:00 WDM on Lasers: H. Yoneda 3:30 Open qstns in WDM/HEDM using laser drvn shocks: A. Ng	3:00 - 5:00 Discussion groups: I. WDM expts; II. Shocks and IFE expts; III. Collaborative expts; IV. Beam dynamics expts.	2:45 - 4:00 Tour of NDCX-1 and HIFS VNL experiments, LBNL
4:00	4:00 Overview of HEDP at FAIR: HEDgeHOB collaboration: N. Tahir 4:30 Target simulations of NDCX-II: J. Barnard		4:00 - 5:00 Van to Four Points Sheraton Hotel, Pleasanton
5:00	5:00 - 5:30 Discussion groups: F. Bieniosek	Talks are 23 min + 5 min questions + 2 min for transitions. We wish to place all talks on the web.	
	6:00 - 8:00 Working dinner at FAZ		

Discussion groups

1. Warm dense matter experiments and theory (Frank Bieniosek and Dick More, co-chairs)
2. IFE and shocks (Andrew Ng and John Barnard, co-chairs)
3. Beam Dynamics Experiments (Igor Kaganovich and Bill Sharp, co-chairs)
4. Collaborations (Dieter Hoffmann and Dick Lee, co-chairs)

Thank you to the sponsors, organizers, and participants...

**The Heavy Ion Fusion Science
Virtual National Laboratory**



**Grant Logan,
Director, HIFS VNL**



**Jonathan Wurtele,
PI UCOP Research Grant**

Co-chairs of the workshop: John Barnard (LLNL) and Frank Bieniosek (LBNL)

Organizing committee: Dick More (LBNL), Alex Friedman (LLNL), Pavel Ni (LBNL), John Barnard (LBNL), Frank Bieniosek (LBNL)

Administrative support: Laurie O'Brien (Conference Services, LBNL), Lynn Heimbucher (LBNL)

The speakers and the participants!!

The Heavy Ion Fusion Science Virtual National Laboratory

